

SEQUENCE LISTING

(1) GENERAL INFORMATION:

- (i) APPLICANT: Snyder, Richard D.
Cohen, Lawrence K.
Ray, Mark A.
Danos, Olivier
Thompson, Arthur P.
- (ii) TITLE OF INVENTION: ADENO-ASSOCIATED VIRAL VECTOR-MEDIATED
DELIVERY OF DNA TO CELLS OF THE LIVER
- (iii) NUMBER OF SEQUENCES: 8
- (iv) CORRESPONDENCE ADDRESS:
 - (A) ADDRESSEE: SUGHRUE, MION, ZINN, MACPEAK & SEAS
 - (B) STREET: 2100 Pennsylvania Avenue, N.W.
 - (C) CITY: Washington
 - (D) STATE: D.C.
 - (E) COUNTRY: USA
 - (F) ZIP: 20037
- (v) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: Floppy disk
 - (B) COMPUTER: IBM PC compatible
 - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 - (D) SOFTWARE: PatentIn Release #1.0, Version #1.30
- (vi) CURRENT APPLICATION DATA:
 - (A) APPLICATION NUMBER: US 08/882,004
 - (B) FILING DATE: 25-JUN-1997
 - (C) CLASSIFICATION:
- (vii) PRIOR APPLICATION DATA:
 - (A) APPLICATION NUMBER: US 60/032,502
 - (B) FILING DATE: 12-DEC-1996
- (viii) ATTORNEY/AGENT INFORMATION:
 - (A) NAME: Nakamura, Dean H.
 - (B) REGISTRATION NUMBER: 33,981
 - (C) REFERENCE/DOCKET NUMBER: A-6964
- (ix) TELECOMMUNICATION INFORMATION:
 - (A) TELEPHONE: (202)293-7060
 - (B) TELEFAX: (202)293-7860

(2) INFORMATION FOR SEQ ID NO:1:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 20 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear
- (ii) MOLECULE TYPE: other nucleic acid
 - (A) DESCRIPTION: desc = "primer"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

ACTCCATCAC TAGGGGTTCC

20

(2) INFORMATION FOR SEQ ID NO:2:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 30 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: other nucleic acid

(A) DESCRIPTION: /desc = "primer"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

GGTAATGATT AACCCGGGAT GTACTTATC

30

(2) INFORMATION FOR SEQ ID NO:3:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 12 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: other nucleic acid

(A) DESCRIPTION: /desc = "primer"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

TCAGAATCTG GCGGCAACTC CC

22

(2) INFORMATION FOR SEQ ID NO:4:

(i) SEQUENCE CHARACTERISTICS:

- (A) LENGTH: 20 base pairs
- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: other nucleic acid

(A) DESCRIPTION: /desc = "primer"

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

TCGTCAAAAA GGGTATTCAG

30

(2) INFORMATION FOR SEQ ID NO:5:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 20 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

- (ii) MOLECULE TYPE: other nucleic acid
 - (A) DESCRIPTION: /desc = "primer"

- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

TCCCTTGTCG AGTCGGTGA

20

- (2) INFORMATION FOR SEQ ID NO:6:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 20 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

- (ii) MOLECULE TYPE: other nucleic acid
 - (A) DESCRIPTION: /desc = "primer"

- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

CAGAAGGAAA ACAGCAAAG

20

- (2) INFORMATION FOR SEQ ID NO:7:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 84 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

- (ii) MOLECULE TYPE: DNA (genomic)

- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:

AGAGGGAGTG GCCAAGTCCA TCACTAGGGG TTCTGGAGG GGTGGAGTCG TGACGTGAAT
TACGTCATAG GGTAGGGAG GTCC

60

84

- (2) INFORMATION FOR SEQ ID NO:8:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 88 base pairs
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: linear

(ii) MOLECULE TYPE: other nucleic acid
(A) DESCRIPTION: /desc = "recombinant"

(x1) SEQUENCE DESCRIPTION: SEQ ID NO:8:

AGAGGGAGTG GCCAACTCCA TCTAGGGG TTCCTGTAG TTAATGATTA ACCCGCCATG	60
CTACTTATCT ACGTAGCCAT GGTCTAGA	88